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HANDLE VIA ☐ Approved For Release 2002/10/29 : CIA-RDP68B00724R000100040031-3
CONTROL SYSTEM ☐ -2334-66

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21 March 66

MEMORANDUM FOR : Director, Special Activities

SUBJECT : Signal Conditioner and Data Monitor Recording
of Inertial Navigational System Data

1. This memorandum is for information on the status of the Signal Conditioner and Data Monitor (SC&DM), as it relates to the production of Inertial Navigational System (INS) data for use by the National Photographic Interpretation Center (NPIC).

2. The system is now producing satisfactory data. A very small number of errors are still present, (e.g., two, single-digit errors were present on INS data from a recent flight, out of 32,000 digits of data). Continuity of data, with its inherent redundancy, allows such errors to be corrected easily; this small number will pose no problem in the exploitation of the OXCART product.

3. Minor deficiencies have been corrected in the SC&DM hardware and in the data processing software at the field, OSA, and NPIC. While the deficiencies were minor, the computers, being binary, are almost as severely plagued by minor problems as they would be by major ones.

4. NPIC is currently analyzing a final set of films and INS data, to evaluate the detailed correlation of the INS and film data. OXCART is now supplying good INS data for use in this final confirming test; we expect that there may be additional minor problems showing up in the NPIC techniques, but such should not affect the readiness of the system for operation.

5. Further details on the problems and solutions are available if you wish a fuller briefing on the subject.

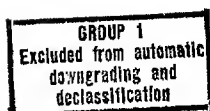
SIGNED

JOHN PARANGOSKY
Deputy for Technology
(Special Activities)

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SA(Sci)D/TECH/OSA [] :pca (21 Mar 66)

Distribution:

- 1 - D/OSA
- 2 - DD/S&T
- 3 - D/TECH/OSA
- 4 - SA(Sci)D/TECH/OSA
- 5 - D/FA/OSA
- 6 - AUTO/OSA
- 7 - OXC/OSA
- 8 - INTEL/OSA
- 9 - ASD/OSA
- 10 - SSD/OSA
- 11 - D/TECH/OSA (Chrono)
- 12 - RB/OSA

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